

ABSTRACT

A composition of topical application for the prevention and treatment of pediculosis, elaboration method and uses of said composition. The composition comprises at least between 0.2 and 0.3% (w/v) of diallil tiosulphinate, wherein the diallil
5 tiosulphinate is extracted from the garlic plant(*Allium sativum* sp).

The method comprises the stages of: a) peeling and grinding garlic cloves until a smooth paste is obtained; b) heating a quantity of water until boiling and further addition of a quantity of organic acid, for example, citric acid, until an aqueous solution is obtained, of pH between 3
10 and 3.5; c) immersing a quantity of the garlic paste obtained in stage a) in a quantity of the aqueous boiling solution of stage b); and d) cooling and fractioning the aqueous solution in stage c), wherein said aqueous solution comprises diallil tiosulphinate, other tiosulphinates and other sulfur compounds deriving therefrom.

15 The composition of the invention is used for the elaboration of a medicine or a cosmetic product for pediculosis, wherein said medicine or cosmetic product is presented under hair lotion, hair cream, hair conditioner, shampoo, hair rinse cream, hair gel and topical application powder formulations.